

Half-Size Crystal Can Welded • DPDT Dry Circuit to 2 Amps Welded • DPDT



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- UNIVERSAL CONTACTS...permit operation from dry circuit to rated load with the same contact set.
- UNIQUE HEAT SINK/MAGNETIC FLUX CONDUCTOR...improves heat dissipation characteristics— insures lower temperature rise.
- SPECIALLY-DESIGNED MAGNETIC CIRCUIT...locates armature inside coil for more efficient switching action.

SPECIFICATIONS

GENERAL

Contact Arrangement	
5	Magnetic Latching
Weight	0.25 oz approx.
Designed to meet the requirer	ments of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1)

Resistive 2 Amps	@ 28 VDC or 115V 400 Hz (Case Ungrounded)
Low Level	10-50 µA @ 10-50 mv DC
	or peak AC (Note 4)
Latch/Reset Power:	
BR17A and BR17M	175 mw approx.
BR17B	90 mw approx.
Latch/Reset Time3	ms max, excluding bounce
	time at nominal coil voltage
Contact Bounce Time2	ms max @ 2 Amps 28 VDC
Contact Resistance	
Before Life	0.050 Ohms max @ rated
	current, 6 or 28 VDC
After Life	.0.100 Ohms max. @ rated
	current, 6 or 28 VDC

Notes

- 1. For case grounded loads and other ratings, consult the factory.
- 2. For applications requiring other shock and vibration levels, consult the factory.
- 3. For other ratings consult the factory.

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4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

ENVIRONMENTAL

Temperature Range	65°C to +125°C
Vibration (Note 2)	
	20 G's 38 - 2,000 Hz
Shock (Operating) (Note 2)	50 G's 11 ms

ELECTRICAL CHARACTERISTICS

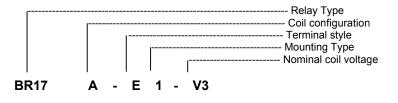
Duty Cycle Insulation Resistance	Continuous
	10,000 megohms @ 500V 25°C 1,000 megohms @ 500V 125°C
Dielectric Strength:	
Sea Level:	
Between Coils (BR	R17A & M)500 VRMS
Contact to Case	
Contact to Coil	1,000 VRMS
Coil to Case	
Across Open Con	tacts500 VRMS
70,000 Feet	
All points	

- 5. Contacts were placed in the position shown by placing voltage with the polarity shown on the indicated coil (reset). To switch contacts, a voltage of indicated polarity must be applied to the other coil (Latch).
- 6. Contacts were placed in position shown by placing voltage with the polarity indicated on the coil. To switch contacts a voltage of the reverse polarity must be applied to the coil.



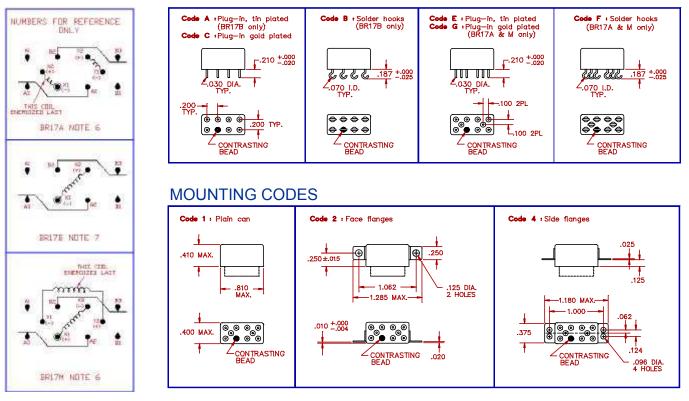
COIL DATA

PART NUMBER MODELS BR17A & BR17M MODEL BR17B		BR17A-()()-V1 BR17M-()()-V1 BR17B-()()-V1	BR17A-()()-V2 BR17M-()()-V2 BR17B-()()-V2	BR17A-()()-V3 BR17M-()()-V3 BR17B-()()-V3
NOMINAL COIL VOLTAGE		6 VDC	12 VDC	26 VDC
MAXIMUM COIL VOLTAGE		7.3 VDC	14.8 VDC	32 VDC
LATCH/RESET VOLTAGE (MAX @ +125°C)		4.4 VDC	8.4 VDC	18 VDC
LATCH/RESET VOLTAGE (MAX)		3 VDC	6 VDC	13 VDC
COIL RESISTANCE ± 10% @ 25°C	BR17A&M	50 OHMS	190 OHMS	900 OHMS
	BR17B	90 OHMS	340 OHMS	1500 OHMS



TERMINAL STYLES

SCHEMATIC TERMINAL VIEW



GENERAL NOTES

- Unless otherwise specified, all tests made at nominal coil voltages, @ 25°C.
- For special coil variations, switching configurations, terminals styles and mounting types, consult the factory.
- Unless otherwise specified, tolerances on decimal dimensions are ± .010".
- Specifications contained herein are subject to change without notice.



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